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**Patent Application**

Inventor(s): Carroll Philip GOSSETT

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Application No.: 10/015,013

Title: LPC FILTER FOR REMOVING PERIODIC AND QUASI-PERIODIC INTERFERENCE FROM  
SPREAD SPECTRUM SIGNALS

Form 1449

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
DXN	A	6,496,474	12/17/02	NAGATANI, et al.	370	208	09/23/98
DXN	B	2002/0172180	11/21/02	HALL, et al.	370	342	10/24/01
DXN	C	2002/0106004	09/08/02	TAN	375	140	10/05/01
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DXN	E	5,677,929	10/14/97	ASANO, et al.	375	206	07/08/94
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### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
DPN	CC	EP1047215	10/25/00	EPO	11	00	X	
DPN	DD	W000/01091	01/06/00	PCT	7	216	X	
DPN	EE	W000/01092	01/06/00	PCT	7	216	X	
DPN	FF	EP0588598	03/23/94	EPO	G01S	5/14	X	
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### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
DPN	II	Bernardini, et al. "Linear Prediction Methods for Interference Elimination in Spread Spectrum Systems" European Transactions on Telecommunications and Related Technologies, AEI Milano, IT, Vol 1, 1, No 1, 1990, pages 67-78, XP000170707 ISSN: 1120-3862 Paragraphs 0003, 0004; Figure 6
DPN	JJ	J.J. Shynk; "On Lattice-form algorithms for adaptive IIR filtering" 1988 IEEE International Conference on Acoustics, Speech, and Signal Processing, vol 3, 11-14 April 1988, pages 1554-1557, XP002236570 paragraphs "Adaptive lattice realization" "Gauss-Newton Adaptive algorithms" Figure 1
DPN	KK	Shan P, et al. "FM interference Suppression in Spread Spectrum Communications Using Time-Varying Autoregressive Model Based Instantaneous Frequency Estimation" 1999 IEEE International conference on Acoustics, speech and signal processing (ICASSP) New York NY IEEE US vol 5, 15 March 1999 (1999-03-15) pages-2559-2562-XP000932374 ISBN: 0-7803-5042-1 Abstract paragraphs 0002, 0003, figure 1
DPN	LL	Rodriguez-Fonollosa J, et al. "A new process for adaptive IIR filtering based on the lod-area-ratio parameters" Signal processing 5: Theories and applications proceedings of eusipco-90 fifth European signal processing conference Barcelona, Sept 18-21, 1990 Proceedings of the European signal processing conference (EUSIPCO) Amsterdam, Elsevier NL vol 1. CONF 5, 18 September 1990 (1990-09-18) Pages 257-260 XP000358086 ISBN: 0-444-88636-2 Paragraphs 0002, 0003
Examiner	Dmg x, Nguyen	
	Date Considered	7/25/06

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.